

# WEST Search History

DATE: Thursday, November 21, 2002

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>		
L15	L14 and ((epitop\$2 or antigen\$2 or genotyp\$2) with protein).clm.	5	L15
L14	L13 and (mosaic or chimeric) with protein same (polyvalent or multivalent or epitop\$3 or antigen\$2)	46	L14
L13	L10 not l11	84	L13
L12	L11 not l10	0	L12
L11	L10 not l4	45	L11
L10	L9 and @ad<19970825	129	L10
L9	(L7 or l8) and l1	456	L9
L8	(mutliple or several or plurality) same (epitop\$3 or antigen\$2 or peptide\$2) same recombinant with protein	1058	L8
L7	(mutliple or several or plurality) same (epitop\$3 or antigen\$2 or peptide\$2) and (multivalent or multimeric or chimeric or mosaic) with protein	3994	L7
L6	(mutliple or several or plurality) same (epitop\$3 or antigen\$2 or peptide\$2) same recombinant	2464	L6
L5	(mutliple or several or plurality) same (epitop\$3 or antigen\$2 or peptide\$2) and (multivalent or multimeric or chimeric or mosaic)	8746	L5
L4	L3 and diagnostic	127	L4
L3	L2 and @ad<19970825	155	L3
L2	L1 and (multivalent or multiple adj epitope or mosaic or chimeric) with protein	572	L2
L1	(hepatitis adj C) or (HCV and virus)	4697	L1

END OF SEARCH HISTORY

## STM Search History

L1 QUE (HCV OR (HAEPATITIS (A) C)) AND (MOSAIC OR CHIMERIC OR RECOMBINANT) (S)  
 L2 PROTEIN (P) (EPITOP## OR ANTIGEN## OR GENOTYP## OR STRAIN#)  
 1311 (HCV OR (HAEPATITIS (A) C)) AND (MOSAIC OR CHIMERIC OR RECOMBINA  
 L3 NT) (S) PROTEIN (P) (EPITOP## OR ANTIGEN## OR GENOTYP## OR STRAIN  
 1616 (HCV OR (HEPATITIS (A) C)) AND (MOSAIC OR CHIMERIC OR RECOMBINAN  
 T) (S) PROTEIN (P) (EPITOP## OR ANTIGEN## OR GENOTYP## OR STRAIN#  
 )  
 L5 610 L4 AND (MULTIPL##### OR PLURAL### OR SEVERAL OR DIFFERENT) (S)  
 (EPITOP## OR ANTIGEN## OR GENOTYP## OR STRAIN#)  
 L7 125 L6 AND HCV (P) (MOSAIC OR CHIMERIC OR RECOMBINANT) (S) PROTEIN  
 L10 84 L6 AND HCV (P) (MOSAIC OR CHIMERIC OR RECOMBINANT) (S) PROTEINS

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(FILE 'HOME' ENTERED AT 15:27:58 ON 21 NOV 2002)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
 BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
 CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
 DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:28:35 ON  
 21 NOV 2002

SEA (HCV OR (HAEPATITIS (A) C)) AND (MOSAIC OR CHIMERIC OR RECO

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 3 FILE ADISALERTS  
 2 FILE ADISINSIGHT  
 1\* FILE ADISNEWS  
 2 FILE AGRICOLA  
 1 FILE BIOBUSINESS  
 8\* FILE BIOCOMMERCE  
 220 FILE BIOSIS  
 119\* FILE BIOTECHABS  
 119\* FILE BIOTECHDS  
 233\* FILE BIOTECHNO  
 7 FILE CABA  
 43 FILE CANCERLIT  
 226 FILE CAPLUS  
 8\* FILE CEABA-VTB  
 1\* FILE CIN  
 7 FILE DDFU  
 467 FILE DGENE  
 2 FILE DRUGNL  
 15 FILE DRUGU  
 2 FILE DRUGUPDATES  
 200 FILE EMBASE  
 114\* FILE ESBIODBASE  
 16\* FILE FEDRIP  
 0\* FILE FOMAD  
 0\* FILE FOREGE  
 0\* FILE FROSTI  
 0\* FILE FSTA  
 23 FILE IFIPAT  
 16 FILE JICST-EPLUS  
 0\* FILE KOSMET  
 140 FILE LIFESCI  
 0\* FILE MEDICONF  
 225 FILE MEDLINE  
 1 FILE NIOSHTIC  
 2\* FILE NTIS  
 122\* FILE PASCAL  
 1\* FILE PHARMAML

5 FILE PHIN  
 58 FILE PROMT  
 207 FILE SCISEARCH  
 58 FILE TOXCENTER  
 477 FILE USPATFULL  
 7 FILE USPAT2  
 2 FILE VETU  
 62 FILE WPIDS  
 62 FILE WPINDEX  
 137 FILE NLDB

L1 QUE (HCV OR (HAEPATITIS (A) C)) AND (MOAIC OR CHIMERIC OR RECO

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, BIOTECHNO, SCISEARCH' ENTERED AT  
 15:34:52 ON 21 NOV 2002

L2 1311 S (HCV OR (HAEPATITIS (A) C)) AND (MOAIC OR CHIMERIC OR RECOMB  
 L3 1616 S (HCV OR (HEPATITIS (A) C)) AND (MOAIC OR CHIMERIC OR RECOMBI  
 L4 1591 S L3 AND HEPATITIS  
 L5 610 S L4 AND (MULTIPL##### OR PLURAL### OR SEVERAL OR DIFFERENT) (  
 L6 175 DUP REM L5 (435 DUPLICATES REMOVED)  
 L7 125 S L6 AND HCV (P) (MOAIC OR CHIMERIC OR RECOMBINANT) (S) PROTE  
 L8 57 S L7 NOT PY>1997  
 L9 118 S L6 NOT L8  
 L10 84 S L6 AND HCV (P) (MOAIC OR CHIMERIC OR RECOMBINANT) (S) PROTE  
 L11 45 S L10 NOT L8  
 L12 0 S L11 NOT PY>1997  
 L13 981 S L4 NOT L5  
 L14 419 DUP REM L13 (562 DUPLICATES REMOVED)  
 L15 181 S L14 NOT PY>1997  
 L16 0 S L15 AND HEPATITIS SAME DIAGNOSTIC  
 L17 0 S L7 AND HEPATITIS SAME DIAGNOSTIC  
 L18 15 S L7 AND HEPATITIS (S) DIAGNOSTIC  
 L19 27 S (L7 OR L15) AND HEPATITIS (P) DIAGNOSTIC  
 L20 23 S (L7 OR L15) AND HEPATITIS (S) DIAGNOSTIC  
 L21 27 S L19 OR L20  
 L22 26 DUP REM L21 (1 DUPLICATE REMOVED)

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=> d l8 1-57 ti, au, so

- L8 ANSWER 1 OF 57 MEDLINE  
TI Characterization of antibodies against core, NS3, NS4, NS5 region of **hepatitis C** virus in patients with **hepatitis C**.  
AU Ishii K; Ishibashi M; Ohtake T; Kano S; Saito H; Watanabe K  
SO RINSHO BYORI. JAPANESE JOURNAL OF CLINICAL PATHOLOGY, (1997 Dec) 45 (12) . 1156-62.  
Journal code: 2984781R. ISSN: 0047-1860.
- L8 ANSWER 2 OF 57 MEDLINE  
TI A method for the detection and confirmation of antibodies to **hepatitis C** virus in dried blood spots.  
AU Parker S P; Cubitt W D; Ades A E  
SO JOURNAL OF VIROLOGICAL METHODS, (1997 Nov) 68 (2) 199-205.  
Journal code: 8005839. ISSN: 0166-0934.  
Report No.: PIP-138516; POP-00284915.
- L8 ANSWER 3 OF 57 MEDLINE  
TI Sequence analysis of **hepatitis C** virus variants producing discrepant results with two different genotyping assays.  
AU Prescott L E; Berger A; Pawlotsky J M; Conjeevaram P; Pike I; Simmonds P  
SO JOURNAL OF MEDICAL VIROLOGY, (1997 Nov) 53 (3) 237-44.  
Journal code: 7705876. ISSN: 0146-6615.
- L8 ANSWER 4 OF 57 MEDLINE  
TI Effects of interferon treatment on the antiviral T-cell response in **hepatitis C** virus genotype 1b- and genotype 2c-infected patients.  
AU Missale G; Cariani E; Lamomaca V; Ravaggi A; Rossini A; Bértoni R; Houghton M; Matsuura Y; Miyamura T; Fiaccadori F; Ferrari C  
SO HEPATOLOGY, (1997 Sep) 26 (3) 792-7.  
Journal code: 8302946. ISSN: 0270-9139.
- L8 ANSWER 5 OF 57 MEDLINE  
TI [Limits of immunoserologic and molecular diagnosis of **hepatitis C**].  
Limites du diagnostic immunoserologique et moleculaire de l'hepatite C.  
AU Trepo C; Alonso C; Li J S; Qu D; Laurent F; Vitvitski L  
SO NUCLEAR MEDICINE AND BIOLOGY, (1994 Apr) 21 (3) 419-31.  
Journal code: 9304420. ISSN: 0969-8051.
- L8 ANSWER 6 OF 57 MEDLINE  
TI Identification of **HCV** core mimotopes: improved methods for the selection and use of disease-related phage-displayed peptides.  
AU Tafi R; Bandi R; Prezzi C; Mondelli M U; Cortese R; Monaci P; Nicosia A  
SO BIOLOGICAL CHEMISTRY, (1997 Jun) 378 (6) 495-502.  
Journal code: 9700112. ISSN: 1431-6730.
- L8 ANSWER 7 OF 57 MEDLINE  
TI Improved reactivity of **hepatitis C** virus core protein epitopes in a conformational antigen-presenting system.  
AU Buratti E; Di Michele M; Song P; Monti-Bragadin C; Scodeller E A; Baralle F E; Tisminetzky S G  
SO CLINICAL AND DIAGNOSTIC LABORATORY IMMUNOLOGY, (1997 Mar) 4 (2) 117-21.  
Journal code: 9421292. ISSN: 1071-412X.
- L8 ANSWER 8 OF 57 MEDLINE  
TI Patients infected with the same **hepatitis C** virus

- strain** display **different** kinetics of the isolate-specific antibody response.
- AU Allander T; Beyene A; Jacobson S H; Grillner L; Persson M A  
 SO JOURNAL OF INFECTIOUS DISEASES, (1997 Jan) 175 (1) 26-31.  
 Journal code: 0413675. ISSN: 0022-1899.
- L8 ANSWER 9 OF 57 MEDLINE  
 TI Indeterminate results of the second-generation **hepatitis C** virus (**HCV**) recombinant immunoblot assay: significance of high-level c22-3 reactivity and influence of **HCV** genotypes.
- AU Zein N N; Germer J J; Wendt N K; Schimek C M; Thorvilson J N; Mitchell P S; Persing D H  
 SO JOURNAL OF CLINICAL MICROBIOLOGY, (1997 Jan) 35 (1) 311-2.  
 Journal code: 7505564. ISSN: 0095-1137.
- L8 ANSWER 10 OF 57 MEDLINE  
 TI Antibody responses to **hepatitis C** envelope proteins in patients with acute or chronic **hepatitis C**.
- AU Fournillier-Jacob A; Lunel F; Cahour A; Cresta P; Frangeul L; Perrin M; Girard M; Wychowski C  
 SO JOURNAL OF MEDICAL VIROLOGY, (1996 Oct) 50 (2) 159-67.  
 Journal code: 7705876. ISSN: 0146-6615.
- L8 ANSWER 11 OF 57 MEDLINE  
 TI An epitope chimeric antigen for the **hepatitis C** virus serological screening test.
- AU Yagi S; Kashiwakuma T; Yamaguchi K; Chiba Y; Ohtsuka E; Hasegawa A  
 SO BIOLOGICAL AND PHARMACEUTICAL BULLETIN, (1996 Oct) 19 (10) 1254-60.  
 Journal code: 9311984. ISSN: 0918-6158.
- L8 ANSWER 12 OF 57 MEDLINE  
 TI **Hepatitis C** virus: biological and clinical consequences of genetic heterogeneity.
- AU Cooreman M P; Schoondermark-Van de Ven E M  
 SO SCANDINAVIAN JOURNAL OF GASTROENTEROLOGY. SUPPLEMENT, (1996) 218 106-15.  
 Ref: 86  
 Journal code: 0437034. ISSN: 0085-5928.
- L8 ANSWER 13 OF 57 MEDLINE  
 TI T- and B-cell responses to **different hepatitis C** virus **antigens** in patients with chronic **hepatitis C** infection and in healthy anti-**hepatitis C** virus--positive blood donors without viremia.
- AU Lechmann M; Ihlenfeldt H G; Braunschweiger I; Giers G; Jung G; Matz B; Kaiser R; Sauerbruch T; Spengler U  
 SO HEPATOLOGY, (1996 Oct) 24 (4) 790-5.  
 Journal code: 8302946. ISSN: 0270-9139.
- L8 ANSWER 14 OF 57 MEDLINE  
 TI Influence of viraemia and genotype upon serological reactivity in screening assays for antibody to **hepatitis C** virus.
- AU Dhaliwal S K; Prescott L E; Dow B C; Davidson F; Brown H; Yap P L; Follett E A; Simmonds P  
 SO JOURNAL OF MEDICAL VIROLOGY, (1996 Feb) 48 (2) 184-90.  
 Journal code: 7705876. ISSN: 0146-6615.
- L8 ANSWER 15 OF 57 MEDLINE  
 TI High efficiency prokaryotic expression and purification of a portion of the **hepatitis C** core protein and analysis of the immune response to recombinant protein in BALB/c mice.

AU Hitomi Y; McDonnell W M; Baker J R Jr; Askari F K  
SO VIRAL IMMUNOLOGY, (1995) 8 (2) 109-19.  
Journal code: 8801552. ISSN: 0882-8245...

L8 ANSWER 16 OF 57 MEDLINE  
TI Characterization of the antibody reactivity to synthetic peptides from different parts of the **hepatitis C** virus genome.  
AU Pujol F H; Khudyakov Y E; Devesa M; Leon G; Blitz-Dorfman L; Monsalve F; Lambert S B; Kalinina T Y; Liprandi F; Fields H A  
SO VIRAL IMMUNOLOGY, (1996) 9 (2) 89-96.  
Journal code: 8801552. ISSN: 0882-8245.

L8 ANSWER 17 OF 57 MEDLINE  
TI The distribution of **hepatitis C** virus genotypes in Turkish patients.  
AU Abacioglu Y H; Davidson F; Tuncer S; Yap P L; Ustacelebi S; Yulug N; Simmonds P  
SO JOURNAL OF VIRAL HEPATITIS, (1995) 2 (6) 297-301.  
Journal code: 9435672. ISSN: 1352-0504.

L8 ANSWER 18 OF 57 MEDLINE  
TI Immunity elicited by **hepatitis C** virus.  
AU Farci P; Orgiana G; Purcell R H  
SO CLINICAL AND EXPERIMENTAL RHEUMATOLOGY, (1995 Nov-Dec) 13 Suppl 13 S9-12.  
Ref: 24  
Journal code: 8308521. ISSN: 0392-856X.

L8 ANSWER 19 OF 57 MEDLINE  
TI **Hepatitis C** virus infection in an HIV-positive population in Normandy: antibodies, **HCV** RNA and genotype prevalence.  
AU Mendel I; Clotteau L; Lambert S; Buffet-Janvresse C  
SO JOURNAL OF MEDICAL VIROLOGY, (1995 Nov) 47 (3) 231-6.  
Journal code: 7705876. ISSN: 0146-6615.

L8 ANSWER 20 OF 57 MEDLINE  
TI Cryoglobulinemia in chronic **hepatitis C** virus infection: prevalence, clinical manifestations, response to interferon treatment and analysis of cryoprecipitates.  
AU Hartmann H; Schott P; Polzien F; Mihm S; Uy A; Kaboth U; Pardowitz I; Ramadori G  
SO ZEITSCHRIFT FUR GASTROENTEROLOGIE, (1995 Nov) 33 (11) 643-50.  
Journal code: 0033370. ISSN: 0044-2771.

L8 ANSWER 21 OF 57 MEDLINE  
TI Genetic control of the murine humoral response to distinct epitopes of **hepatitis C** virus core protein.  
AU Chen Z; Berkower I; Wang R Y; Ching W M; Alter H J; Shih J W  
SO JOURNAL OF VIRAL HEPATITIS, (1995) 2 (1) 9-17.  
Journal code: 9435672. ISSN: 1352-0504.

L8 ANSWER 22 OF 57 MEDLINE  
TI Virological and serological characterization of asymptomatic blood donors positive for anti-**hepatitis C** virus antibody.  
AU Tsuji H; Shimomura H; Wato M; Kondo J; Tsuji T  
SO ACTA MEDICA OKAYAMA, (1995 Jun) 49 (3) 137-44.  
Journal code: 0417611. ISSN: 0386-300X.

L8 ANSWER 23 OF 57 MEDLINE  
TI Molecular mimicry between Fc receptor and S peplomer protein of mouse **hepatitis** virus, bovine corona virus, and transmissible

gastroenteritis virus.

AU Oleszak E L; Kuzmak J; Hogue B; Parr R; Collisson E W; Rodkey L S;  
Leibowitz J L

SO HYBRIDOMA, (1995 Feb) 14 (1) 1-8.  
Journal code: 8202424. ISSN: 0272-457X.

L8 ANSWER 24 OF 57 MEDLINE

TI Genotype-dependent serologic reactivities in patients infected with  
**hepatitis C** virus in the United States.

AU Zein N N; Rakela J; Persing D H

SO MAYO CLINIC PROCEEDINGS, (1995 May) 70 (5) 449-52.  
Journal code: 0405543. ISSN: 0025-6196.

L8 ANSWER 25 OF 57 MEDLINE

TI **Hepatitis C** virus core region: helper T cell epitopes  
recognized by BALB/c and C57BL/6 mice.

AU Kakimi K; Kuribayashi K; Iwashiro M; Masuda T; Sakai M; Ling W; Kubo Y;  
Kobayashi H; Higo K; Seki M; +

SO JOURNAL OF GENERAL VIROLOGY, (1995 May) 76 ( Pt 5) 1205-14.  
Journal code: 0077340. ISSN: 0022-1317.

L8 ANSWER 26 OF 57 MEDLINE

TI Effective production of the **hepatitis C** virus core  
antigen having high purity in Escherichia coli.

AU Seki M; Honda Y; Kondo J; Fukuda K; Ohta K; Sugimoto J; Yamada E

SO JOURNAL OF BIOTECHNOLOGY, (1995 Jan 31) 38 (3) 229-41.  
Journal code: 8411927. ISSN: 0168-1656.

L8 ANSWER 27 OF 57 MEDLINE

TI Summary and evaluation of genome and antibody diagnosis in  
**hepatitis C** virus infection.

AU Nishizono A

SO RINSHO BYORI. JAPANESE JOURNAL OF CLINICAL PATHOLOGY, (1994 Dec) 42 (12)  
1240-7. Ref: 20  
Journal code: 2984781R. ISSN: 0047-1860.

L8 ANSWER 28 OF 57 MEDLINE

TI **Hepatitis C** virus antibody prevalence among human  
immunodeficiency virus-1-infected individuals: analysis with different  
test systems.

AU Nubling C M; von Wangenheim G; Staszewski S; Lower J

SO JOURNAL OF MEDICAL VIROLOGY, (1994 Sep) 44 (1) 49-53.  
Journal code: 7705876. ISSN: 0146-6615.

L8 ANSWER 29 OF 57 MEDLINE

TI Prevalence of **hepatitis C** virus with **different**  
**genotypes** determined by a group-specific antibody assay in  
Japanese patients with chronic liver diseases due to **hepatitis**  
**C** virus infection.

AU Tanaka E; Kiyosawa K; Matsumoto A; Sodeyama T; Urushihara A; Suzuki T;  
Kobayashi M; Furuta S

SO JAPANESE JOURNAL OF MEDICAL SCIENCE AND BIOLOGY, (1994 Feb) 47 (1) 47-57.  
Journal code: 0243706. ISSN: 0021-5112.

L8 ANSWER 30 OF 57 MEDLINE

TI Isolation and epitope characterization of human monoclonal antibodies to  
**hepatitis C** virus core antigen.

AU Siemoneit K; da Silva Cardoso M; Wolpl A; Koerner K; Subanek B

SO HYBRIDOMA, (1994 Feb) 13 (1) 9-13.  
Journal code: 8202424. ISSN: 0272-457X.

L8 ANSWER 31 OF 57 MEDLINE  
 TI An epitope in **hepatitis C** virus core region recognized  
 by cytotoxic T cells in mice and humans.  
 AU Shirai M; Okada H; Nishioka M; Akatsuka T; Wychowski C; Houghten R;  
 Pendleton C D; Feinstone S M; Berzofsky J A  
 SO JOURNAL OF VIROLOGY, (1994 May) 68 (5) 3334-42.  
 Journal code: 0113724. ISSN: 0022-538X.

L8 ANSWER 32 OF 57 MEDLINE  
 TI Serological responses to **different genotypes** of  
**hepatitis C** virus in France.  
 AU Alonso C; Qu D; Lamelin J P; de Sanjose S; Vitvitski L; Li J; Berby F;  
 Lambert V; Cortey M L; Trepo C  
 SO JOURNAL OF CLINICAL MICROBIOLOGY, (1994 Jan) 32 (1) 211-2.  
 Journal code: 7505564. ISSN: 0095-1137.

L8 ANSWER 33 OF 57 MEDLINE  
 TI A human monoclonal antibody specific for the N terminus of the  
**hepatitis C** virus nucleocapsid protein.  
 AU Cerino A; Boender P; La Monica N; Rosa C; Habets W; Mondelli M U  
 SO JOURNAL OF IMMUNOLOGY, (1993 Dec 15) 151 (12) 7005-15.  
 Journal code: 2985117R. ISSN: 0022-1767.

L8 ANSWER 34 OF 57 MEDLINE  
 TI Genotype dependence of **hepatitis C** virus antibodies  
 detectable by the first-generation enzyme-linked immunosorbent assay with  
 C100-3 protein.  
 AU Nagayama R; Tsuda F; Okamoto H; Wang Y; Mitsui T; Tanaka T; Miyakawa Y;  
 Mayumi M  
 SO JOURNAL OF CLINICAL INVESTIGATION, (1993 Sep) 92 (3) 1529-33.  
 Journal code: 7802877. ISSN: 0021-9738.

L8 ANSWER 35 OF 57 MEDLINE  
 TI Chimeric **hepatitis B** virus core particles with parts or copies  
 of the **hepatitis C** virus core protein.  
 AU Yoshikawa A; Tanaka T; Hoshi Y; Kato N; Tachibana K; Iizuka H; Machida A;  
 Okamoto H; Yamasaki M; Miyakawa Y; +  
 SO JOURNAL OF VIROLOGY, (1993 Oct) 67 (10) 6064-70.  
 Journal code: 0113724. ISSN: 0022-538X.

L8 ANSWER 36 OF 57 MEDLINE  
 TI **Hepatitis C**: looking at a virus that hasn't been seen.  
 AU Overby L R  
 SO GUT, (1993) 34 (2 Suppl) S6-9.  
 Journal code: 2985108R. ISSN: 0017-5749.

L8 ANSWER 37 OF 57 MEDLINE  
 TI Anti-LKM-1 antibodies determined by use of recombinant P450 2D6 in ELISA  
 and western blot and their association with anti-**HCV** and  
**HCV**-RNA.  
 AU Seelig R; Renz M; Bunger G; Schroter H; Seelig H P  
 SO CLINICAL AND EXPERIMENTAL IMMUNOLOGY, (1993 Jun) 92 (3) 373-80.  
 Journal code: 0057202. ISSN: 0009-9104.

L8 ANSWER 38 OF 57 MEDLINE  
 TI Improved diagnosis of chronic **hepatitis C** virus  
 infection by detection of antibody to **multiple epitopes**  
 : confirmation by antibody to synthetic oligopeptides.  
 AU Brown D; Powell L; Morris A; Rassam S; Sherlock S; McIntyre N; Zuckerman A  
 J; Dusheiko G M  
 SO JOURNAL OF MEDICAL VIROLOGY, (1992 Nov) 38 (3) 167-71.



Journal code: 7705876. ISSN: 0146-6615.

L8 ANSWER 39 OF 57 MEDLINE  
TI T-lymphocyte response to **hepatitis C** virus in  
different clinical courses of infection.  
AU Botarelli P; Brunetto M R; Minutello M A; Calvo P; Unutmaz D; Weiner A J;  
Choo Q L; Shuster J R; Kuo G; Bonino F; +  
SO GASTROENTEROLOGY, (1993 Feb) 104 (2) 580-7.  
Journal code: 0374630. ISSN: 0016-5085.

L8 ANSWER 40 OF 57 MEDLINE  
TI Diagnosis of **hepatitis C** virus (HCV)  
infection using an immunodominant chimeric polyprotein to capture  
circulating antibodies: reevaluation of the role of HCV in liver  
disease.  
AU Chien D Y; Choo Q L; Tabrizi A; Kuo C; McFarland J; Berger K; Lee C;  
Shuster J R; Nguyen T; Moyer D L; +  
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF  
AMERICA, (1992 Nov 1) 89 (21) 10011-5.  
Journal code: 7505876. ISSN: 0027-8424.

L8 ANSWER 41 OF 57 MEDLINE  
TI Fundamental studies of **hepatitis C** virus: a review.  
AU Fujiyama S; Kawano S  
SO RINSHO BYORI. JAPANESE JOURNAL OF CLINICAL PATHOLOGY, (1992 Sep) 40 (9)  
911-7. Ref: 23  
Journal code: 2984781R. ISSN: 0047-1860.

L8 ANSWER 42 OF 57 MEDLINE  
TI Improved serologic detection of **hepatitis C** virus with  
a paramagnetic microparticle assay using **multiple**  
**antigenic** sequences.  
AU Leahy D; Kink J; Byrne R; Shah D; Preisel-Simmons B; Laska S; Dienstag J;  
Thomas H; Karayiannis P; Brown J; +  
SO TRANSFUSION, (1992 Jul-Aug) 32 (6) 548-53.  
Journal code: 0417360. ISSN: 0041-1132.

L8 ANSWER 43 OF 57 MEDLINE  
TI Induction of cytotoxic T cells to a cross-reactive epitope in the  
**hepatitis C** virus nonstructural RNA polymerase-like  
protein.  
AU Shirai M; Akatsuka T; Pendleton C D; Houghten R; Wychowski C; Mihalik K;  
Feinstone S; Berzofsky J A  
SO JOURNAL OF VIROLOGY, (1992 Jul) 66 (7) 4098-106.  
Journal code: 0113724. ISSN: 0022-538X.

L8 ANSWER 44 OF 57 MEDLINE  
TI Temporal relationships of **hepatitis C** virus RNA and  
antibody responses following experimental infection of chimpanzees.  
AU Beach M J; Meeks E L; Mimms L T; Vallari D; DuCharme L; Spelbring J;  
Taskar S; Schleicher J B; Krawczynski K; Bradley D W  
SO JOURNAL OF MEDICAL VIROLOGY, (1992 Mar) 36 (3) 226-37.  
Journal code: 7705876. ISSN: 0146-6615.

L8 ANSWER 45 OF 57 MEDLINE  
TI Antibodies to recombinant and synthetic peptides derived from the  
**hepatitis C** virus genome in long-term-studied patients  
with posttransfusion **hepatitis C**.  
AU Mattsson L; Gutierrez R A; Dawson G J; Lesniewski R R; Mushahwar L K;  
Weiland O  
SO SCANDINAVIAN JOURNAL OF GASTROENTEROLOGY, (1991 Dec) 26 (12) 1257-62.

Journal code: 0060105. ISSN: 0036-5521.

- L8 ANSWER 46 OF 57 MEDLINE  
TI Identification of an immunodominant B cell epitope on the **hepatitis C** virus nonstructural region defined by human monoclonal antibodies.  
AU Cerino A; Mondelli M U  
SO JOURNAL OF IMMUNOLOGY, (1991 Oct 15) 147 (8) 2692-6.  
Journal code: 2985117R. ISSN: 0022-1767.
- L8 ANSWER 47 OF 57 MEDLINE  
TI **Hepatitis C** virus-related chronic liver disease with autoantibodies to liver-kidney microsomes (LKM). Clinical characterization from idiopathic LKM-positive disorders.  
AU Todros L; Touscoz G; D'Urso N; Durazzo M; Albano E; Poli G; Baldi M; Rizzetto M  
SO JOURNAL OF HEPATOLOGY, (1991 Jul) 13 (1) 128-31.  
Journal code: 8503886. ISSN: 0168-8278.
- L8 ANSWER 48 OF 57 CAPLUS COPYRIGHT 2002 ACS  
TI Recombinant preparation of **antigen** containing **multiple epitopes of hepatitis C** virus and use for detecting **HCV** antibodies  
IN Sakaguchi, Katsuaki; Toi, Koji; Tanaka, Masao  
SO Jpn. Kokai Tokkyo Koho, 14 pp.  
CODEN: JKXXAF
- L8 ANSWER 49 OF 57 CAPLUS COPYRIGHT 2002 ACS  
TI Expression and antigenicity of **chimeric proteins** of cholera toxin B subunit with **hepatitis C** virus **epitopes**  
AU Cao, Chang; Ma, Qingjun; Yu, Gongyi; Shi, Chenghua; Li, Ping; Li, Jiezhi; Zhang, Yanhong; Zhang, Jingsheng  
SO Bingdu Xuebao (1995), 11(2), 99-106  
CODEN: BIXUEA; ISSN: 1000-8721
- L8 ANSWER 50 OF 57 CAPLUS COPYRIGHT 2002 ACS  
TI cDNA cloning and sequencing and expression in E. coli of the C region of **HCV** genome derived from Chinese patient with **HCV** infection  
AU Yang, Yongping; Xia, Ningshao; Cong, Mianer; Tang, Quan; Cao, Jingyuan; Liu, Chongbai  
SO Bingdu Xuebao (1994), 10(2), 108-17  
CODEN: BIXUEA; ISSN: 1000-8721
- L8 ANSWER 51 OF 57 CAPLUS COPYRIGHT 2002 ACS  
TI Expression and purification of **hepatitis C** virus core protein in Escherichia coli  
AU Seki, Makoto; Horie, Miyako; Murakami, Tomoko; Ohta, Kunihiro; Honda, Yoshikazu; Fukuda, Kaoru; Yamada, Di; Morimoto, Yuuki; Miyamura, Tatsuo  
SO Research and Development Review - Mitsubishi Kasei Corporation (1994), 8(2), 37-45  
CODEN: MKCREV; ISSN: 0913-6045
- L8 ANSWER 52 OF 57 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Immunogenicity of filamentous phage displaying peptide mimotopes after oral administration.  
AU Delmastro, P.; Meola, A.; Monaci, P.; Cortese, R.; Galfre, G. (1)  
SO Vaccine, (1997) Vol. 15, No. 11, pp. 1276-1285.  
ISSN: 0264-410X.

L8 ANSWER 53 OF 57 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 TI **Hepatitis C** virus: Biological and clinical  
 consequences of genetic heterogeneity.  
 AU Cooreman, M. P. (1); Schoondermark-Van Den Ven, E. M. E.  
 SO Scandinavian Journal of Gastroenterology, (1996) Vol. 31, No. SUPPL. 218,  
 pp. 106-115.  
 ISSN: 0036-5521.

L8 ANSWER 54 OF 57 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 TI Diagnosis of **hepatitis C** virus infection: Current  
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 AU Hess G.  
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 ISSN: 0941-2131 CODEN: KLLAEA

L8 ANSWER 55 OF 57 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.  
 TI Evaluation of the automated system RIBA Processor **HCV** for the  
 serological diagnosis of **hepatitis C** virus infection  
 VALUTAZIONE DEL SISTEMA AUTOMATICO **HCV** RIBA PROCESSOR PER LA  
 DIAGNOSI SIEROLOGICA DELL'INFEZIONE DA VIRUS DELL'EPATITE C  
 AU Icardi G.; Raffo A.M.; Orione L.; Masini A.; Lai P.L.; Faraldi L.; Santo  
 M.; Crovari P.  
 SO Trasfusione del Sangue, (1997), 42/4 (195-202), 16 reference(s)  
 CODEN: TRSABD ISSN: 0041-1787

L8 ANSWER 56 OF 57 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.  
 TI **Hepatitis C**: Looking at a virus that hasn't been seen  
 AU Overby L.R.  
 SO Gut, (1993), 34/SUPPL. 2 (S6-S9)  
 CODEN: GUTTAK ISSN: 0017-5749

L8 ANSWER 57 OF 57 SCISEARCH COPYRIGHT 2002 ISI (R)  
 TI REACTIVITY TO **HEPATITIS-C** VIRUS PROTEINS IN  
 HEMODIALYSIS-PATIENTS  
 AU GUERRERO A (Reprint); MONTES R; GUERRERO E; GIL L; DEVARE S; MARTIN C;  
 GOMEZ L; MADRIGAL J; MARCO M J; GARCIASIERRA F; ROCHA J L; MATEOS J  
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 ISSN: 0211-6995.

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L8 ANSWER 11 OF 57 MEDLINE  
 AN 97070566 MEDLINE  
 DN 97070566 PubMed ID: 8913492  
 TI An epitope chimeric antigen for the **hepatitis C** virus  
 serological screening test.  
 AU Yagi S; Kashiwakuma T; Yamaguchi K; Chiba Y; Ohtsuka E; Hasegawa A  
 CS Diagnostics Division, Tonen Corporation, Saitama, Japan.  
 SO BIOLOGICAL AND PHARMACEUTICAL BULLETIN, (1996 Oct) 19 (10) 1254-60.  
 Journal code: 9311984. ISSN: 0918-6158.  
 CY Japan  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199703  
 ED Entered STN: 19970313  
 Last Updated on STN: 19970313  
 Entered Medline: 19970306  
 AB The **epitope chimeric antigen**, CepCM,  
 composed of the 9 selected major **epitope** regions (two in NS3,

two each in the NS4 of two **genotypes**, two each in the core of two **genotype**, and one in the core in **hepatitis C virus (HCV)** polypeptide), was expressed as a fusion **protein** of the trpE peptide in E. coli. An ELISA test using this **antigen** produced the same judgements with most of the panel sera as a second generation **HCV** screening kit. Though discrepancies were found in twelve samples (5% of the samples), further analysis revealed that eleven samples were indeterminate sera as judged by an immunoblot test. The reactivity found in **several** seroconversion series sera suggested that CepCM has superior reactivity to **HCV** infected sera than some second generation kits. These data indicated that an **epitope chimeric antigen** with a man-made sequence will be a excellent tool for a diagnostic test kit.

L8 ANSWER 12 OF 57 MEDLINE  
 AN 97018844 MEDLINE  
 DN 97018844 PubMed ID: 8865460  
 TI **Hepatitis C virus: biological and clinical consequences of genetic heterogeneity.**  
 AU Cooreman M P; Schoondermark-Van de Ven E M  
 CS Dept. of Gastroenterology and Hepatology, University Hospital St. Radboud, Nijmegen, The Netherlands.  
 SO SCANDINAVIAN JOURNAL OF GASTROENTEROLOGY. SUPPLEMENT, (1996) 218 106-15.  
 Ref: 86  
 Journal code: 0437034. ISSN: 0085-5928.  
 CY Norway  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA English  
 FS Priority Journals  
 EM 199701  
 ED Entered STN: 19970128  
 Last Updated on STN: 19970128  
 Entered Medline: 19970107  
 AB **Hepatitis C Virus** infection accounts for the majority of post-transfusion and sporadic **hepatitis**. In Western Europe, anti-**HCV** is detected in 0.4-1.5% of healthy blood donors. There is a high frequency of progressive chronic **hepatitis**, ranging from 50 to 80%, which leads to cirrhosis in 20-50% of patients after 10-20 years. Viremic patients with minimal biochemical abnormalities may have chronic liver disease histologically. There is growing evidence that virological features of **HCV** are associated with **different** clinical manifestations and response to therapy. The RNA genome consists of a 5' and 3' Untranslated Region, a structural domain encoding the core and envelope **proteins**, and a non-structural domain. **Different HCV** isolates show a high sequence heterogeneity, which has led to the classification of currently six **genotypes** and **several** subtypes. There is a marked difference in the geographic distribution of **HCV genotypes**, with types 1, 2 and 3a being most frequently found in western countries. In The Netherlands, subtype 1b accounts for approximately 60% of all cases of chronic **HCV**. Serologic diagnosis based on **recombinant C-100 antigens** (first generation immunoassays) only reliably detected type 1, due to the heterogeneity of the NS4 region; inclusion of more conserved **proteins** c22 and c33 (second generation assays) has largely improved sensitivity of anti-**HCV** testing. **Genotype 1b** is associated with more severe liver disease and with lower response rates for antiviral therapy, compared with types 2 and 3. Quasispecies nature and escape mutants may enable viral persistence and the development of

chronic liver disease. As cross-reactivity between **genotypes** is unlikely, prevention of **HCV** disease may be dependent on the development of multivalent vaccines.

=> d 122 1-26 ti,au,so

- L22 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2002 ACS  
TI **HCV** mosaic antigen composition  
IN Chan, Hermes K. W.; Theolis, Richard, Jr.  
SO PCT Int. Appl., 59 pp.  
CODEN: PIXXD2
- L22 ANSWER 2 OF 26 MEDLINE  
TI Expression of immunoreactive forms of the **hepatitis C** NS5A protein in E. coli and their use for **diagnostic** assays.  
AU Kalamvoki M; Miriagou V; Hadziyannis A; Georgopoulou U; Varaklioti A; Hadziyannis S; Mavromara P  
SO ARCHIVES OF VIROLOGY, (2002 Sep) 147 (9) 1733-45.  
Journal code: 7506870. ISSN: 0304-8608.
- L22 ANSWER 3 OF 26 MEDLINE  
TI Antigenic heterogeneity of the **hepatitis C** virus NS5A protein.  
AU Dou Xiao-Guang; Talekar Ganesh; Chang Joy; Dai Xing; Li Lixia; Bonafonte Maria-Teresa; Holloway Brian; Fields Howard A; Khudyakov Yury E  
SO JOURNAL OF CLINICAL MICROBIOLOGY, (2002 Jan) 40 (1) 61-7.  
Journal code: 7505564. ISSN: 0095-1137.
- L22 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2002 ACS  
TI **Antigenic epitopes** and **mosaic** polypeptides of **hepatitis C** virus **proteins**  
IN Fields, Howard A.; Khudyakov, Yury E.  
SO PCT Int. Appl., 51 pp.  
CODEN: PIXXD2
- L22 ANSWER 5 OF 26 MEDLINE  
TI **Hepatitis C** epitopes from phage-displayed cDNA libraries and improved diagnosis with a chimeric antigen.  
AU Pereboeva L A; Pereboev A V; Wang L F; Morris G E  
SO JOURNAL OF MEDICAL VIROLOGY, (2000 Feb) 60 (2) 144-51.  
Journal code: 7705876. ISSN: 0146-6615.
- L22 ANSWER 6 OF 26 MEDLINE  
TI Ribonuclease-resistant RNA controls (Armored RNA) for reverse transcription-PCR, branched DNA, and genotyping assays for **hepatitis C** virus.  
AU WalkerPeach C R; Winkler M; DuBois D B; Pasloske B L  
SO CLINICAL CHEMISTRY, (1999 Dec) 45 (12) 2079-85.  
Journal code: 9421549. ISSN: 0009-9147.
- L22 ANSWER 7 OF 26 MEDLINE  
TI Artificial NS4 mosaic antigen of **hepatitis C** virus.  
AU Chang J C; Ruedinger B; Cong M; Lambert S; Lopareva E; Purdy M; Holloway B P; Jue D L; Ofenloch B; Fields H A; Khudyakov Y E  
SO JOURNAL OF MEDICAL VIROLOGY, (1999 Dec) 59 (4) 437-50.  
Journal code: 7705876. ISSN: 0146-6615.
- L22 ANSWER 8 OF 26 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Detection of cross-reacting virus-specific human and animal antibodies.  
AU Rusvay, Erzsebet (1); Szesztay, Agnes (1); McLena, Sample; Brojnas, Judit (1); Koczán, Andrea (1); Visontai, Ildiko (1); Gyuris, Agnes (1); Gyori, Zoltan (1); Egyed, Laszlo; Herczeg, Jozsef; Palfi, Vilmos; Lomniczi, Bela; Minarovits, Janos (1); Berencsi, Gyorgy (1)  
SO Magyar Allatorvosok Lapja, (April, 1999) Vol. 121, No. 4, pp. 229-237.  
ISSN: 0025-004X.

- L22 ANSWER 9 OF 26 MEDLINE  
 TI Development of low cost peptide-based anti-**hepatitis C** virus screening and confirmatory assays: comparison with commercially available tests.  
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 Journal code: 7705876. ISSN: 0146-6615.
- L22 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2002 ACS  
 TI Expression and characterization of **different** chimeric **antigens** of **hepatitis C** virus  
 AU Sun, Ke'er; Song, Xiaoguo; Wang, Guohua; Ling, Shigan; Ma, Xiankai; Zhang, Heqiu; Lu, Haoying  
 SO Junshi Yixue Kexueyuan Yuankan (1998), 22(3), 171-173, 176  
 CODEN: JYKYEL; ISSN: 1000-5501
- L22 ANSWER 11 OF 26 MEDLINE  
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 Poluchenie i ochistka rekombinantnogo polipeptida, soderzhashchego antigennye determinanty serdtsevinnoy belka virusa gepatita C.  
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 Journal code: 0417337. ISSN: 0507-4088.
- L22 ANSWER 12 OF 26 MEDLINE  
 TI An epitope chimeric antigen for the **hepatitis C** virus serological screening test.  
 AU Yagi S; Kashiwakuma T; Yamaguchi K; Chiba Y; Ohtsuka E; Hasegawa A  
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 Journal code: 9311984. ISSN: 0918-6158.
- L22 ANSWER 13 OF 26 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 TI Cloning and expression of NS-5 gene of **hepatitis C** virus.  
 AU Liu Shuanghu, Tan Deming; Hu Guoling; Zhang Zheng; Ren Peishang  
 SO Hunan Yike Daxue Xuebao, (1996) Vol. 21, No. 3, pp. 242-244.  
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- L22 ANSWER 15 OF 26 MEDLINE  
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 Journal code: 7706761. ISSN: 0378-1119.
- L22 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2002 ACS  
 TI Recombinant preparation of **hepatitis C** virus coat antigen using heterologous signal peptide  
 IN Nishihara, Tsukasa; Sakamoto, Shinichi; Nozaki, Chikahide; Nakatake, Hiroshi; Hoshiko, Kazuya; Hamada, Fukusaburo  
 SO Jpn. Kokai Tokkyo Koho, 23 pp.  
 CODEN: JKXXAF

L22 ANSWER 17 OF 26 MEDLINE  
 TI Summary and evaluation of genome and antibody diagnosis in **hepatitis C** virus infection.  
 AU Nishizono A  
 SO RINSHO BYORI. JAPANESE JOURNAL OF CLINICAL PATHOLOGY, (1994 Dec) 42 (12) 1240-7. Ref: 20  
 Journal code: 2984781R. ISSN: 0047-1860.

L22 ANSWER 18 OF 26 MEDLINE  
 TI cDNA cloning of c33-c antigen gene derived from NS3 region of Chinese **HCV** genome, expression in *Escherichia coli* and development of **HCV** EIA second-generation diagnostic kit.  
 AU Yang Y P; Liu C B; Jin D Y; Zhan M Y; Tang Q; Xia N S; Cao J Y; Li J Y  
 SO SCIENCE IN CHINA. SERIES B, CHEMISTRY, LIFE SCIENCES AND EARTH SCIENCES, (1994 Feb) 37 (2) 190-202.  
 Journal code: 8913082. ISSN: 1001-652X.

L22 ANSWER 19 OF 26 MEDLINE DUPLICATE 1  
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 AU Overby L R  
 SO GUT, (1993) 34 (2 Suppl) S6-9.  
 Journal code: 2985108R. ISSN: 0017-5749.

L22 ANSWER 20 OF 26 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.  
 TI **Hepatitis C**: Looking at a virus that hasn't been seen  
 AU Overby L.R.  
 SO Gut, (1993), 34/SUPPL. 2 (S6-S9)  
 CODEN: GUTTAK ISSN: 0017-5749

L22 ANSWER 21 OF 26 MEDLINE  
 TI Diagnosis of **hepatitis C** virus (**HCV**) infection using an immunodominant chimeric polyprotein to capture circulating antibodies: reevaluation of the role of **HCV** in liver disease.  
 AU Chien D Y; Choo Q L; Tabrizi A; Kuo C; McFarland J; Berger K; Lee C; Shuster J R; Nguyen T; Moyer D L; +  
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1992 Nov 1) 89 (21) 10011-5.  
 Journal code: 7505876. ISSN: 0027-8424.

L22 ANSWER 22 OF 26 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 TI Immunogenic polypeptides with epitopes specific for **hepatitis C** virus.  
 SO Current Opinion in Therapeutic Patents, (1992) 2/11 (1865-1866).  
 ISSN: 0962-2594 CODEN: COTPES

L22 ANSWER 23 OF 26 MEDLINE  
 TI Confirmation of second generation anti-**hepatitis C** virus enzyme immunoassays by antigenic cross-validation.  
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 SO JOURNAL OF CLINICAL PATHOLOGY, (1992 Oct) 45 (10) 917-20.  
 Journal code: 0376601. ISSN: 0021-9746.

L22 ANSWER 24 OF 26 MEDLINE  
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 AU Fujiyama S; Kawano S  
 SO RINSHO BYORI. JAPANESE JOURNAL OF CLINICAL PATHOLOGY, (1992 Sep) 40 (9) 911-7. Ref: 23  
 Journal code: 2984781R. ISSN: 0047-1860.



L22 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2002 ACS  
 TI Enzyme immunoassays for anti-**hepatitis C** virus  
 antibodies. Improved specificity and analytical sensitivity by combination  
 of three different recombinant viral proteins in second generation tests  
 AU Prohaska, W.; Schroeter, E.; Kaars-Wiele, Petra; Kleesiek, K.  
 SO European Journal of Clinical Chemistry and Clinical Biochemistry (1992),  
 30(7), 397-404  
 CODEN: EJCBEQ; ISSN: 0939-4974

L22 ANSWER 26 OF 26 MEDLINE  
 TI Serological response and detection of viraemia in acute **hepatitis C**  
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 AU Dourakis S; Brown J; Kumar U; Karayiannis P; Kernoff P; Chiba J; Ohba H;  
 Miyamura T; Saito I; Monjardino J; +  
 SO JOURNAL OF HEPATOLOGY, (1992 Mar) 14 (2-3) 370-6.  
 Journal code: 8503886. ISSN: 0168-8278.

=> d l22 1, 4 bib,abs

L22 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2002 ACS  
 AN 2002:51496 CAPLUS  
 DN 136:117365  
 TI **HCV** mosaic antigen composition  
 IN Chan, Hermes K. W.; Theolis, Richard, Jr.  
 PA Medmira Inc., Can.  
 SO PCT Int. Appl., 59 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002004484	A2	20020117	WO 2001-CA988	20010706
	WO 2002004484	A3	20020328		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,				
	RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,				
	UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2001072257	A5	20020121	AU 2001-72257	20010706
PRAI	CA 2000-2311022	A	20000707		
	WO 2001-CA988	W	20010706		

AB A highly immunoreactive mosaic **antigen** compn. comprising a  
**plurality** of **antigenic** peptides derived from the core  
 region of a polyprotein encoded by the **hepatitis C**  
 virus (**HCV**) genome is provided for the purpose of detecting  
 anti-**HCV** antibodies. The mosaic **antigen** compn.  
 essentially comprises a combination of six **different**  
**antigenic** peptides, ranging in length from 12 to 19 amino acid  
 residues, which are individually immobilized through covalent linkage to a  
 carrier component at their terminal end. The unique combination of  
**HCV** core peptides provided as a mosaic antigen compn. having the  
 three-dimensional configuration described herein results in higher  
 specificity and sensitivity for detection of human antibodies specific to  
**HCV** in rapid **HCV diagnostic** applications. An  
 in vitro **diagnostic** method for detecting anti-**HCV**

antibodies in a test sample and a **diagnostic** test kit are also provided which utilize the mosaic antigen compn. as an immunoreagent.

L22 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2002 ACS  
AN 2001:50675 CAPLUS  
DN 134:114828  
TI **Antigenic epitopes** and **mosaic** polypeptides  
of **hepatitis C** virus **proteins**  
IN Fields, Howard A.; Khudyakov, Yury E.  
PA United States Dept. of Health and Human Services, USA  
SO PCT Int. Appl., 51 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001004149	A1	20010118	WO 2000-US18704	20000707
	W: AU, CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 2000062077	A5	20010130	AU 2000-62077	20000707
	EP 1200465	A1	20020502	EP 2000-948602	20000707
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
	US 2002090607	A1	20020711	US 2001-758308	20020110
PRAI	WO 1999-US15578	W	19990709		
	US 1998-92339P	P	19980710		
	WO 2000-US18704	W	20000707		

AB **Antigenic epitopes** of **hepatitis C** virus (**HCV**) and mosaic **HCV** polypeptides useful as reagents in assays for the diagnosis or monitoring of **HCV** in a biol. sample. The **antigenic epitopes** and mosaic polypeptides are also useful for the construction of immunogenic pharmaceutical compns., such as vaccines. The **mosaic** polypeptides are artificial composite **proteins** constructed from diagnostically relevant **antigenic** regions derived from **different HCV proteins**. Preferably, the **mosaic** polypeptides contain **antigenic epitopes** from the core **protein**, NS3 **protein**, and NS4 **protein**. The preferred **mosaic** polypeptides optionally contain an addnl. **antigenic epitope** from either the NS4 **protein** or the NS5a **protein** or both.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT